

Filter Bay Scaffolding Allowable Loads

Ventilation Project for Filter Bays

Scaffolding can be erected from the cantilevered platform to the drain channel wall located in the center of the filter in order to facilitate structural steel installation for the roof openings.

See sketch below.

The cantilevered platform is the limiting factor. The reaction loads from any scaffold system shall be limited to 5 kips at each support point and distributed parallel to the wall separated by a minimum of two feet from each other. Loads shall not be placed within 18" from the cantilever edge (unsupported edge of platform). The load on the cantilever should be applied at 6" or less from the face of the concrete block wall.

On the drain channel wall, 5 kip loads from each support point of the scaffold should be applied within a 4" middle strip of the 8" wide filter drain channel wall.

